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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/085,284	02/28/2002	Kazuhiro Shitama	09792909-5327	1150
26263	7590	06/26/2006	EXAMINER	
SONNENSCHN NATH & ROSENTHAL LLP			MURPHY, RHONDA L	
P.O. BOX 061080				
WACKER DRIVE STATION, SEARS TOWER			ART UNIT	PAPER NUMBER
CHICAGO, IL 60606-1080			2616	

DATE MAILED: 06/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/085,284

Applicant(s)

SHITAMA, KAZUHIRO

Examiner

Rhonda Murphy

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-3,9,12-14,20,22 and 25-27 is/are rejected.
- 7) ☒ Claim(s) 4-8,10,11,15-19,21,23 and 24 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 February 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Drawings

1. Figures 1-15 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

1. Claims 22 and 25 are objected to because of the following informalities:
Claim 22 needs a transitional phrase such as "comprising" to separate the preamble and the body of the claim.
In claim 25, line 2, the term "between" shall be inserted after "moves".
Appropriate correction is required.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claim 22 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. It is unclear as to which device sends the router advertisement. It is also unclear if the mobile node in line 5 is the same as the terminal device of line 1, and which device configures the address in line 8.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1 – 3, 9, 12-14, 20, 22 and 25 – 27 are rejected under 35 U.S.C. 102(e) as being anticipated by Ishiyama et al. (US 6,973,506).

Regarding claims 1 and 12, Ishiyama teaches a communication processing system comprising: a mobile node which is a mobile communication terminal device (Fig. 1, M1), wherein, in a domain including at least one sub-network (sub-networks N1,N2,N3), each sub-network being associated with a physical network prefix (col. 10, lines 9-18), a virtual network prefix for the mobile node is determined as a network prefix that is different from the physical network prefix (col. 10, lines 41-48), an address is configured based on the virtual network prefix and an identifier of the mobile node (col. 10, lines

41-48), and the communications process with the mobile node is performed according to the address (col. 10, lines 41-48; 59-67; col. 11, lines 1-2).

Regarding claims 2 and 13, Ishiyama teaches the identifier of the mobile node is a unique identifier in the domain for identifying the mobile node (col. 9, lines 63-67; col. 10, lines 1-3).

Regarding claims 3 and 14, Ishiyama teaches the identifier of the mobile node is a unique interface ID in the domain for identifying the mobile node (col. 9, lines 63-67; col. 10, lines 1-3).

Regarding claims 9 and 20, Ishiyama teaches a system wherein, when the mobile node moves between sub-networks in the domain or in different domains, the mobile node sends a routing update message to a router in the domain (col. 19, lines 62-67; col. 20, lines 1-10); and the router which has received the routing update message generates, updates, or deletes an entry for the mobile node in a routing table according to the received message (col. 20, lines 10-17).

Regarding claim 22, Ishiyama teaches a communication terminal device (Fig. 1, M1) which performs communications via a network, wherein a router advertisement serving as an information notification message containing a physical network prefix and a virtual network prefix for a mobile node is received (col. 12, lines 35-54), the physical network prefix being allocated to each of at least one sub-network included in a domain (col. 10, lines 9-18); and an address is configured based on the virtual network prefix retrieved from the received router advertisement serving as an information notification message

and an identifier of the communication terminal device (col. 10, lines 41-48; col. 12, lines 35-54).

Regarding claim 25, Ishiyama teaches a method wherein, when the communication terminal device moves between sub-networks in the domain or in different domains, the communication terminal device sends a routing update message to a router in the domain (col. 19, lines 62-67; col. 20, lines 1-10).

Regarding claim 26, Ishiyama teaches the same limitations described above in the rejection of claim 21.

Regarding claim 27, Ishiyama teaches the same limitations described above in the rejection of claim 22. Furthermore, Ishiyama teaches a program which causes a communications process via a network to be executed on a computer system, said program implementing the steps described in claim 22 (col. 7, lines 14-20).

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US 6,515,974 patent to Inoue et al., US 6,751,672 patent to Khalil et al., US 6,708,219 patent to Borella et al., US 6,058,431 patent to Srisuresh et al., and US 2003/0016655 A1 publication to Gwon.

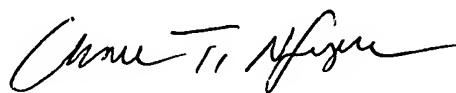
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rhonda Murphy whose telephone number is (571) 272-3185. The examiner can normally be reached on Monday - Friday 8:00 - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on (571) 272-3126. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Rhonda Murphy
Examiner
Art Unit 2616

RM



CHAU NGUYEN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600